I claim:

1. A honeycomb catalyst carrier body for exhaust gas-cleaning systems of motorcycles, comprising:

layered or wound sheet-metal layers at least partially structured to form passages through which exhaust gas can flow, said sheet-metal layers formed of a stainless steel, having a thickness of more than 0.08 mm and having an aluminum content in percent by weight of between 6 and 12% multiplied by 0.02 mm divided by said thickness of said sheet-metal layers.

2. A honeycomb catalyst carrier body for exhaust gas-cleaning systems of motorcycles, comprising:

layered or wound sheet-metal layers at least partially structured to form passages through which exhaust gas can flow, said sheet-metal layers formed of a stainless steel containing 15 - 25% (percent by weight) of chromium, 0.02 to 0.2% of rare earths, having between 1 and 4.5% of aluminum and having a thickness of more than 0.08 mm.

3. The honeycomb body according to claim 2, wherein said rare earths are at least one element selected from the group consisting of yttrium, lanthanum and cerium.

4. The honeycomb body according to claim 1, wherein said thickness of said sheet-metal layers is from 0.08 to 0.12 mm.

5. The honeycomb body according to claim 2, wherein said thickness of said sheet-metal layers is from 0.08 to 0.12 mm.

6. The honeycomb body according to claim 1, wherein said passages number between 200 and 600 cpsi (cells per square inch).

7. The honeycomb body according to claim2, wherein said passages number between 200 and 600 cpsi (cells per square inch).

8. A honeycomb body acting as a catalyst carrier body for exhaust gas-cleaning systems of diesel vehicles, comprising:

layered or wound sheet-metal layers at least partially structured to form passages through which exhaust gas can flow, said sheet-metal layers formed of a stainless steel containing 15 - 25% (percent by weight) of chromium, 0.02 to 0.2% of rare earths and having between 1 and 4.5% of aluminum.

9. The honeycomb body according to claim 8, wherein said rare earths are at least one element selected from the group consisting of yttrium, lanthanum and cerium.

10. The honeycomb body according to claim 1, wherein said aluminum has a content of 2 to 4%.

11. The honeycomb body according to claim 2, wherein said aluminum has a content of 2 to 4%.

12. The honeycomb body according to claim 8, wherein said aluminum has a content of 2 to 4%.

13. The honeycomb body according to claim 1, wherein said sheet-metal layers are rolled.

14. The honeycomb body according to claim 2, wherein said sheet-metal layers are rolled.

15. The honeycomb body according to claim 8, wherein said sheet-metal layers are rolled.

16. The honeycomb body according to claim 1, wherein said sheet-metal layers are rolled and removed from a production process for producing hot-dip aluminized material before an aluminum content is raised.

17. The honeycomb body according to claim 2, wherein said sheet-metal layers are rolled and removed from a production process for producing hot-dip aluminized material before an aluminum content is raised.

18. The honeycomb body according to claim 8, wherein said sheet-metal layers are rolled and removed from a production process for producing hot-dip aluminized material before an aluminum content is raised.

19. A honeycomb body, comprising:

layered or wound sheet-metal layers at least partially structured to form passages through which exhaust gas can flow, said sheet-metal layers formed of a stainless steel, having a thickness of more than 0.08 mm and having an aluminum content in percent by weight of between 6 and 12% multiplied by 0.02 mm divided by said thickness of said sheet-metal layers.

20. A honeycomb body, comprising:

layered or wound sheet-metal layers at least partially structured to form passages through which exhaust gas can flow, said sheet-metal layers formed of a stainless steel

containing 15 - 25% (percent by weight) of chromium, 0.02 to 0.2% of rare earths, having between 1 and 4.5% of aluminum and having a thickness of more than 0.08 mm.